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**Search Results -**

Term	Documents
SIO2	77133
SIO2S	0
(4 AND SIO2).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	0
(L4 AND (SIO2)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	0

US Patent Full Text Database  
 US Patent Grant Publication Full Text Database  
 IPEC Abstracts Database  
 EPIC Abstracts Database  
 DerwentWorld Patent Index  
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**Database:**

L8

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**DATE:** Tuesday, September 23, 2003    [Printable Copy](#)    [Create Case](#)
Set Name   Query  
 side by side

Hit Count   Set Name  
 result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE;  
 PLUR=YES; OP=AND*

<u>L8</u>	L4 and (SiO2)	0	<u>L8</u>
<u>L7</u>	L6 and (silicon adj dioxide)	0	<u>L7</u>
<u>L6</u>	Hillebrand-Timo.in.	17	<u>L6</u>
<u>L5</u>	L4 and (silicon adj dioxide)	4	<u>L5</u>
<u>L4</u>	L3 and (potassium adj acetate)	65	<u>L4</u>
<u>L3</u>	L2 and ((nucleic adj acid) or DNA or RNA or oligonucleotide)	2312	<u>L3</u>
<u>L2</u>	(endotoxin) same (free or reduced or reduce or low)	3900	<u>L2</u>
<u>L1</u>	Grimm-stefan.in.	14	<u>L1</u>

...CAS REGISTRY NO.: 7631-6-9 (\*silicon\* \*dioxide\*); 111 4-2...  
?ds

Set	Items	Description
S1	17336	(ENDOTOXIN) (S) (FREE OR REDUCED OR REDUCE OR LOW)
S2	1744	S1 AND (PLASMID OR VECTOR OR DNA OR RNA OR OLIGONUCLEOTIDE)
S3	105	S1 AND (PLASMIDS OR VECTORS OR OLIGONUCLEOTIDES)
S4	1770	S2 OR S3
S5	0	S4 AND (POTASSIUM (W) ACETATE)
S6	6	S4 AND ((SILICON (W) DIOXIDE) OR (SIO2))
S7	3	RD (unique items)

?logoff

23sep03 10:50:22	User259876	Session D550.2
\$2.09	0.654	DialUnits File155
\$0.42	2	Type(s) in Format 3
\$0.42	2	Types
\$2.51		Estimated cost File155
\$0.68	0.229	DialUnits File159
\$0.68		Estimated cost File159
\$3.01	0.538	DialUnits File5
\$3.01		Estimated cost File5
\$4.10	0.444	DialUnits File73
\$4.10	\$2.55	1 Type(s) in Format 3
\$2.55	1	Types
\$6.65		Estimated cost File73
	OneSearch, 4 files,	1.865 DialUnits FileOS
\$0.92		TELNET
\$13.77		Estimated cost this search
\$14.13		Estimated total session cost 1.955 DialUnits

### Status: Signed Off. (4 minutes)

### Status: Path 1 of [Dialog Information Services via Modem]  
### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)  
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES  
PLEASE LOGON:  
\*\*\*\*\* HHHHHHHH SSSSSSSS?  
### Status: Signing onto Dialog  
\*\*\*\*\*  
ENTER PASSWORD:  
\*\*\*\*\* HHHHHHHH SSSSSSSS? \*\*\*\*\*  
Welcome to DIALOG  
### Status: Connected

Dialog level 03.02.02D

Last logoff: 22sep03 16:28:55  
Logon file001 23sep03 10:46:37  
\*\*\* ANNOUNCEMENT \*\*\*  
\*\*\*  
--File 654 - US published applications from March 15, 2001 to the present are now online. Please see HELP NEWS 654 for details.

\*\*\*  
--File 581 - The 2003 annual reload of Population Demographics is complete. Please see Help News581 for details.

\*\*\*  
\*\*\*  
--File 990 - NewsRoom now contains February 2003 to current records. File 992 - NewsRoom 2003 archive has been newly created and contains records from January 2003. The oldest month's records roll out of File 990 and into File 992 on the first weekend of each month. To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new OneSearch category.  
\*\*\*  
--Connect Time joins DialUnits as pricing options on Dialog. See HELP CONNECT for information.  
\*\*\*  
\*\*\*  
--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.  
\*\*\*  
--Important news for public and academic libraries. See HELP LIBRARY for more information.  
\*\*\*  
--Important Notice to Freelance Authors--  
See HELP FREELANCE for more information  
\*\*\*

NEW FILES RELEASED  
\*\*\*World News Connection (File 985)  
\*\*\*Dialog NewsRoom - 2003 Archive (File 992)  
\*\*\*TRADEMARKSCAN-Czech Republic (File 680)  
\*\*\*TRADEMARKSCAN-Hungary (File 681)  
\*\*\*TRADEMARKSCAN-Poland (File 682)  
\*\*\*  
UPDATING RESUMED  
\*\*\*  
RELOADED  
\*\*\*Population Demographics -(File 581)  
\*\*\*CLAIMS Citation (Files 220-222)

REMOVED

\*\*\*

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<  
>>> of new databases, price changes, etc. <<<  
\*\*\*\*\*

KWIC is set to 50.

HIGHLIGHT set on as '\*\*'

File 1:ERIC 1966-2003/Sep 11  
(c) format only 2003 The Dialog Corporation

Set Items Description

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Cost is in DialUnits

?b 155, 159, 5, 73

23sep03 10:46:49 User259876 Session D550.1

\$0.32 0.090 DialUnits File1

\$0.32 Estimated cost File1

\$0.04 TELNET

\$0.36 Estimated cost this search

\$0.36 Estimated total session cost 0.090 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155: MEDLINE(R) 1966-2003/Sep W2

(c) format only 2003 The Dialog Corp.

\*File 155: Medline has been reloaded and accession numbers have changed. Please see HELP NEWS 155.

File 159:Cancerlit 1975-2002/Oct

(c) format only 2002 Dialog Corporation

\*File 159: Cancerlit ceases updating with immediate effect.

Please see HELP NEWS.

File 5:Biosis Previews(R) 1969-2003/Sep W2

(c) 2003 BIOSIS

File 73:EMBASE 1974-2003/Sep W2

(c) 2003 Elsevier Science B.V.

Set Items Description

--- -----

?s (endotoxin) (s) (free or reduced or reduce or low)

73020 ENDOTOXIN

1252491 FREE

1680685 REDUCED

418170 REDUCE

2450837 LOW

S1 17336 (ENDOTOXIN) (S) (FREE OR REDUCED OR REDUCE OR LOW)

?s s1 and (plasmid or vector or DNA or RNA or oligonucleotide)

17336 S1

188607 PLASMID

225810 VECTOR

2176693 DNA

1147202 RNA

105844 OLIGONUCLEOTIDE

S2 1744 S1 AND (PLASMID OR VECTOR OR DNA OR RNA OR OLIGONUCLEOTIDE)

?s s1 and (plasmids or vectors or oligonucleotides)

17336 S1

132964 PLASMIDS

125780 VECTORS

66862 OLIGONUCLEOTIDES

S3 105 S1 AND (PLASMIDS OR VECTORS OR OLIGONUCLEOTIDES)

?s s2 or s3

1744 S2

105 S3

S4 1770 S2 OR S3

?s s4 and (potassium (w) acetate)

1770 S4

479218 POTASSIUM  
327304 ACETATE  
925 POTASSIUM(W)ACETATE  
S5 0 S4 AND (POTASSIUM (W) ACETATE)  
?s s4 and ((silicon (w) dioxide) or (SiO2))  
1770 S4  
40751 SILICON  
209183 DIOXIDE  
18917 SILICON(W)DIOXIDE  
1769 SIO2  
S6 6 S4 AND ((SILICON (W) DIOXIDE) OR (SIO2))  
?rd  
...completed examining records  
S7 3 RD (unique items)  
?t s7/3,k/all

7/3,K/1 (Item 1 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
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10396542 96201972 PMID: 8611191  
**Induction of nitric oxide and nitric oxide synthase mRNA by silica and lipopolysaccharide in PMA-primed THP-1 cells.**  
Chen F; Kuhn D C; Gaydos L J; Demers L M  
Department of Pathology, Pennsylvania State University College of Medicine, Milton S. Hershey Medical Center, Hershey, USA.  
APMIS - acta pathologica, microbiologica, et immunologica Scandinavica (DENMARK) Mar 1996, 104 (3) p176-82, ISSN 0903-4641 Journal Code: 8803400  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

Nitric oxide (NO), a nitrogen-\*free\* radical, plays an important role in mediating inflammatory reaction and cytotoxicity of tissue. To determine whether NO was involved in silica-induced pulmonary tissue damage...

... indicated that, after 2 h of silica exposure, PMA-primed THP-1 cells began to express iNOS mRNA, which reached peak expression at 8 h. \*Endotoxin\* treatment of these cells produced a similar effect. These results indicated that silica is a potent inducer of NO production in macrophages and its ability...

Descriptors: Lipopolysaccharides--pharmacology--PD; \*Monocytes --drug effects--DE; \*Nitric Oxide--biosynthesis--BI; \*Nitric-Oxide Synthase --biosynthesis--BI; \*\*Silicon\* \*Dioxide--pharmacology--PD; \*Tetradecanoylp horbol Acetate--pharmacology--PD...; Monocytic, Acute--pathology--PA; Monocytes--metabolism--ME; Neoplasm Proteins--biosynthesis--BI; Neoplasm Proteins--genetics--GE; Nitric-Oxide Synthase--genetics--GE; Protein Synthesis Inhibitors--pharmacology--PD; \*RNA\*, Messenger--biosynthesis--BI; \*RNA\*, Messenger--genetics--GE; Tumor Cells, Cultured; Xanthine Oxidase --antagonists and inhibitors--AI; Xanthine Oxidase--physiology--PH; omega-N-Methylarginine

Chemical Name: Antimetabolites; Enzyme Inhibitors; Lipopolysaccharides; Neoplasm Proteins; Protein Synthesis Inhibitors; \*RNA\*, Messenger; Nitric Oxide; Tetradecanoylphorbol Acetate; omega-N-Methylarginine; Allopurinol; Dactinomycin; Cycloheximide; Arginine; \*Silicon\* \*Dioxide\*; Xanthine Oxidase; Nitric-Oxide Synthase

7/3,K/2 (Item 2 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 2003 The Dialog Corp. All rts. reserv.

10159904 22158338 PMID: 12168658  
The role of adsorbed endotoxin in particle-induced stimulation of cytokine release.

Cho David R; Shanbhag Arun S; Hong Chi-Yuan; Baran George R; Goldrin Steven R

Harvard Institutes of Medicine, Rheumatology Division, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA 02115, USA.

Journal of orthopaedic research - official publication of the Orthopaedic Research Society (United States) Jul 2002, 20 (4) p704-13, ISSN 0736-0266 Journal Code: 8404726

Contract/Grant No.: AR45472; AR; NIAMS

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... of corresponding mRNA levels even after ethanol washing. Boiling the LPS-pretreated particles in 1% acetic acid or autoclaving and baking the particles also markedly \*reduced\* and in some instances abolished the effect of the LPS-pretreatment. This indicates that LPS binds to the surface of particles of diverse composition and...

... were utilized, essentially all LPS activity could be eliminated. Particles treated with these methods retained some capacity to stimulate cytokine release, but activities were markedly \*reduced\*. These results provide further evidence indicating that LPS contamination of particulate materials can markedly enhance their biological activity. This potential confounding effect needs to be carefully monitored and controlled in the in vitro model systems used to evaluate wear particles. Furthermore, the presence of particle-associated \*endotoxin\* at the bone-implant interface in vivo could markedly enhance the adverse biological activity of particulate wear debris.

; Adsorption; Cell Line; Cytokines--genetics--GE; Mice; Prostheses and Implants; \*RNA\*, Messenger--analysis--AN; \*Silicon\* \*Dioxide\*--pharmacology --PD; Titanium--pharmacology--PD

Chemical Name: Cytokines; Lipopolysaccharides; \*RNA\*, Messenger; Titanium ; \*Silicon\* \*Dioxide\*

7/3,K/3 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

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06462955 EMBASE No: 1996114832

Induction of nitric oxide and nitric oxide synthase mRNA by silica and lipopolysaccharide in PMA-primed THP-1 cells

Chen F.; Kuhn D.C.; Gaydos L.J.; Demers L.M.

Department of Pathology, Pennsylvania State University, College of Medicine, PO Box 850, Hershey, PA 17033 United States

APMIS ( APMIS ) (Denmark) 1996, 104/3 (176-182)

CODEN: APMSE ISSN: 0903-4641

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Nitric oxide (NO), a nitrogen-\*free\* radical, plays an important role in mediating inflammatory reaction and cytotoxicity of tissue. To determine whether NO was involved in silica-induced pulmonary tissue damage...

...indicated that, after 2 h of silica exposure, PMA-primed THP-1 cells began to express iNOS mRNA, which reached peak expression at 8 h.

\*Endotoxin\* treatment of these cells produced a similar effect. These results indicated that silica is a potent inducer of NO production in macrophages and its ability...

DRUG DESCRIPTORS:

\*allopurinol--drug toxicity--to; \*lipopolysaccharide--drug toxicity--to; \*n(g) methylarginine--pharmacology--pd; \*nitric oxide--endogenous compound --ec; \*nitric oxide synthase--endogenous compound--ec; \*\*silicon\* \*dioxide\* --drug toxicity--to  
arginine--endogenous compound--ec; dactinomycin; messenger \*rna\* --endogenous compound--ec; phorbol ester--drug toxicity--to; xanthine oxidase--endogenous compound--ec